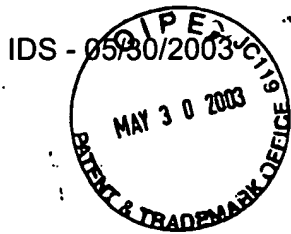


212146



Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 41207
Application ID: 09823977
Method, System and Computer
Program Product for
Representing Object
Relationships in a
Multidimensional Space
Title of Invention:
First Named Inventor: Dimitrus Agrafiotis
Domestic/Foreign Application: Domestic Application
Filing Date: 2001-04-23
Effective Receipt Date: 2003-05-30
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 9693
Attorney Docket Number: 1503.0930001

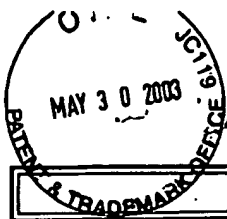


RECEIVED
JUN 06 2003
Technology Center 2100

Total Fees Authorized:

Digital Certificate Holder: cn=Timothy Aloysius Doyle,ou=Registered Attorneys,ou=Patent and Trademark
Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: bd54bbca618516de0a7e9f6bf69c7eb420dea59a




16 refs US Patents



TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	Method, System and Computer Program Product for Representing Object Relationships in a Multidimensional Space												
<table border="0"><tr><td>Application Number: 09/823977</td><td></td><td rowspan="5">RECEIVED JUN 06 2003 Technology Center 2100</td></tr><tr><td>Date: 2001-04-23</td><td></td></tr><tr><td>First Named Applicant: Dimitrus Agrafiotis</td><td></td></tr><tr><td>Confirmation Number: 9693</td><td></td></tr><tr><td>Attorney Docket Number: 1503.0930001</td><td></td></tr></table>			Application Number: 09/823977		RECEIVED JUN 06 2003 Technology Center 2100	Date: 2001-04-23		First Named Applicant: Dimitrus Agrafiotis		Confirmation Number: 9693		Attorney Docket Number: 1503.0930001	
Application Number: 09/823977		RECEIVED JUN 06 2003 Technology Center 2100											
Date: 2001-04-23													
First Named Applicant: Dimitrus Agrafiotis													
Confirmation Number: 9693													
Attorney Docket Number: 1503.0930001													
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>													
<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Timothy A. Doyle Registered Number: 51,262</td><td>/tad/</td><td>Agent</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Timothy A. Doyle Registered Number: 51,262	/tad/	Agent					
Submitted by:	Elec. Sign.	Sign. Capacity											
Timothy A. Doyle Registered Number: 51,262	/tad/	Agent											
<table border="0"><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>IDS15030930001a-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>			Documents being submitted	Files	us-ids	IDS15030930001a-usidst.xml		us-ids.dtd		us-ids.xsl			
Documents being submitted	Files												
us-ids	IDS15030930001a-usidst.xml												
	us-ids.dtd												
	us-ids.xsl												
Comments													

#6 2121



Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 41206
Application ID: 09823977
Method, System and Computer
Program Product for
Title of Invention: Representing Object
Relationships in a
Multidimensional Space
First Named Inventor: Dimitrus Agrafiotis
Domestic/Foreign Application: Domestic Application
Filing Date: 2001-04-03
Effective Receipt Date: 2003-05-30
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 9693
Attorney Docket Number: 1503.0930001

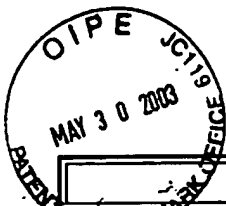


RECEIVED
JUN -6 2003
TECHNOLOGY CENTER 2800

Total Fees Authorized:


Digital Certificate Holder: cn=Timothy Aloysius Doyle,ou=Registered Attorneys,ou=Patent and Trademark
Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 5d09c40afdb3bda27ab5275a9f722ff665acc55b

50 US. PATS

**TRANSMITTAL**

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	Method, System and Computer Program Product for Representing Object Relationships in a Multidimensional Space	
Application Number: 09/823977 		
Date: 2001-04-03		
First Named Applicant: Dimitris Agrafiotis		
Confirmation Number: 9693		
Attorney Docket Number: 1503.0930001		
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>		
Submitted by:	Elec. Sign.	Sign. Capacity
Timothy A. Doyle Registered Number: 51,262	/tad/	Agent
Documents being submitted us-ids	Files IDS15030930001-usidst.xml us-ids.dtd us-ids.xsl	
Comments		

RECEIVED
JUN -6 2003
TECHNOLOGY CENTER 1800

Robert Greene Sterne
Edward J. Kessler
Jorge A. Goldstein
David K.S. Cornwell
Robert W. Esmond
Tracy-Gene G. Durkin
Michele A. Cimbala
Michael B. Ray
Robert E. Sokol
Eric K. Steffe
Michael Q. Lee
Steven R. Ludwig
John M. Covert
Linda E. Alcorn
Robert C. Miltonig
Lawrence B. Bugalsky
Donald J. Featherstone
Michael V. Messinger

Judith U. Kim
Timothy J. Shea, Jr.
Patrick E. Garrett
Heddi L. Kraus
Edward W. Yee
Albert L. Ferro
Donald R. Banowitz
Peter A. Jackman
Molly A. McCall
Teresa U. Medler
Jeffrey S. Weaver
Kendrick P. Patterson
Vincent L. Capuano
Albert J. Fasulo II
Elora Ellison Floyd
Thomas C. Flala
Brian J. Del Buono
Virgil Lee Beaton

Kimberly N. Reddick
Theodore A. Wood
Elizabeth J. Haanes
Bruce E. Chatter
Joseph S. Ostroff
Frank R. Cottingham
Christine M. Uhler
Rae Lynn Prengaman
Jane Shershenovich
Lawrence J. Carroll
George S. Bardmesser
Daniel A. Klein
Rodney G. Maize
Jason D. Eisenberg
Michael A. Specht
Andrea J. Kamagie
Tracy L. Muller
Jon E. Wright

LuAnne M. Yuricek
Registered Patent Agents
Karen R. Martowicz
Nancy J. Leith
Ann E. Summerfield
Helene C. Carlson
Gaby L. Longworth
Matthew J. Dowd
Aaron L. Schwartz
Angelique G. Uy
Mary B. Tung
Kathina Y. Pei
Bryan L. Skelton
Robert A. Schwartzman
John J. Figueroa
Timothy A. Doyle
Jennifer R. Mahalingappa

Teresa A. Colella
Jeffrey S. Lundgren
Victoria S. Rutherford

Of Counsel
Kenneth C. Bass III
Lisa A. Dunner
Evan R. Smith

*Admitted only in Maryland
*Admitted only in Virginia
*Practice limited to
Federal Agencies

May 30, 2003

WRITER'S DIRECT NUMBER:
(202) 772-8587

INTERNET ADDRESS:
PGARRETT@SKGF.COM

RECEIVED

MAY 30 2003

Technology Center 2100

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

21/21
Art Unit 2122

Re: U.S. Utility Patent Application
Appl. No. 09/823,977; Filed: April 3, 2001
For: **Method, System, and Computer Program Product for Representing
Object Relationships in a Multidimensional Space**
Inventors: Agraftiotis *et al.*
Our Ref: 1503.0930001/PEG/TAD

Sir:

Transmitted herewith for appropriate action are the following documents:

1. An Information Disclosure Statement (IDS);
2. Forms PTO-1449 (40 pages) with 205 accompanying documents; and
3. Return postcard.

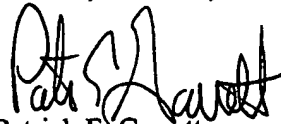
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
May 30, 2003
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency,
or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Patrick E. Garrett
Attorney for Applicants
Registration No. 39,987

PEG/TAD:slw
Enclosures

:\ODMA\HODMA\SKGF_DC1\138210;1
SKGF Rev. 2/15/02 dcw; 4/18/03 svb

#5
6-6-03
cd

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Agrafiotis *et al.*

Appl. No. 09/823,977

Filed: April 3, 2001

For: **System, Method and Computer
Program Product for
Representing Object
Relationships in a
Multidimensional Space**

Confirmation No. 9693

Art Unit: 2122

Examiner: *To be Assigned*

Atty. Docket: 1503.0930001

RECEIVED

MAY 30 2003

Technology Center 2100

Information Disclosure Statement

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants wish to direct the Examiner's attention to documents AO17, AQ17, AN23, AQ29, AR29, and AN33. Applicants have made an extensive attempt to locate a copy of these documents, yet were unsuccessful. Therefore, copies of these particular documents are not enclosed.

Applicants have checked the appropriate boxes below.

- ☒ 1. This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
 - ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R.

§ 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

- ☐ c. Attached is our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
- ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- 4. Documents AM2, AJ3, AK4, AP10, AO11, AP16, AN22, AQ27, AR27, and AR39 were cited in search reports by foreign patent offices in related foreign applications. Copies of these search reports are enclosed as documents AQ16, AO34, AP34, AQ35, and AQ39 on the attached PTO-1449 Form.
- 5. A concise explanation of the relevance of the non-English language document appears below:
Document AK1 (EP 0 355 628 B1) appears to describe a method for chemical decontamination of nuclear plant structural parts. A copy of the English language abstract of document AK1 is enclosed as document AR10 on the attached PTO-1449.
- ☐ 6. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. _____, filed _____.


which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.


Patrick E. Garrett
Attorney for Applicants
Registration No. 39,987

Date: 5/30/03

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

SKGF_DC1:138164.1